

Title (en)

COMPARTMENT BASED INLET PARTICLE SEPARATOR SYSTEM

Title (de)

AUF FÄCHERN BASIERTES EINLASSPARTIKELABSCHEIDERSYSTEM

Title (fr)

SYSTÈME À FILTRE SÉPARATEUR DE PARTICULES SUR LA BASE DE COMPARTIMENT

Publication

EP 3034408 B1 20170405 (EN)

Application

EP 15199431 A 20151210

Priority

US 201414573926 A 20141217

Abstract (en)

[origin: EP3034408A1] A compartment based inlet particle separator system for an aircraft that includes an auxiliary power unit (APU) system compartment is provided. The system includes a separation barrier wall, a ram air inlet opening, a diffuser, and an inlet particle separator (IPS). The separation barrier wall is disposed within the APU system compartment and divides the APU system compartment into two compartments. The ram air inlet opening is formed one of the compartments. The diffuser receives ram air from a ram air inlet opening and discharges ram air into a compartment. The IPS is disposed within the a compartment between the diffuser outlet and the APU air inlet port.

IPC 8 full level

B64D 33/02 (2006.01); **B64D 41/00** (2006.01)

CPC (source: EP US)

B64D 33/00 (2013.01 - US); **B64D 33/02** (2013.01 - EP US); **B64D 41/00** (2013.01 - EP US); **F01D 1/20** (2013.01 - US); **B64D 2033/0213** (2013.01 - EP US); **B64D 2033/0246** (2013.01 - EP US); **B64D 2041/002** (2013.01 - EP US)

Cited by

US10279920B1; US2016177724A1; US9719352B2; EP3309077A1; US10513344B2; US10508628B2; US10508626B2

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